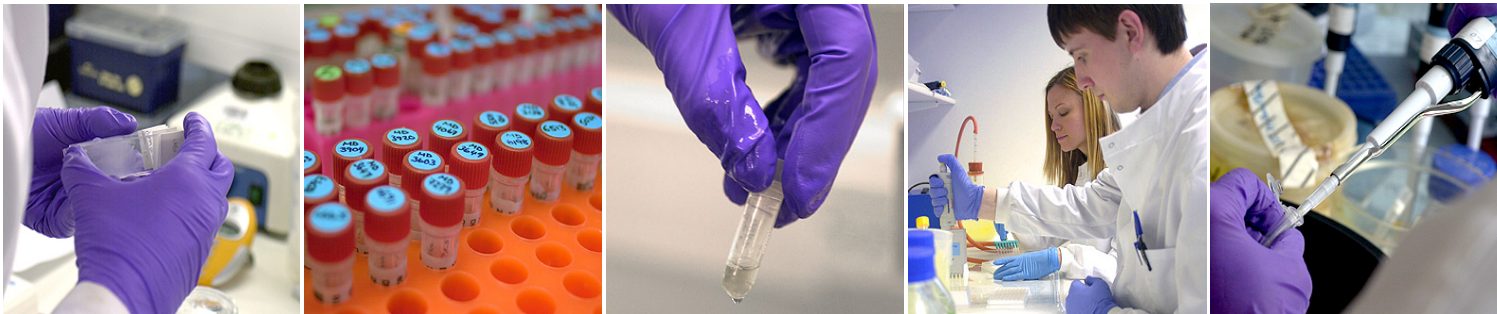


Research Data Security

Data Safe Havens



My Research Background



The Challenge

In early 2013, it was realised that a ***Data Safe Haven*** was required by many of our Researchers and Academics. This was driven by the needs and expectations of ***Data Owners*** and how they expected their data to be controlled against ***data breaches*** occurring.

The Expectation

- **Receive**
- **Store**
- **Access**
- **Analyse**

Yet, above all, the balance between ***convenience*** and ***security*** needed to be “just right”.

Service Definition

A ***Data Safe Haven*** is an environment with a strict and controlled ***Information Security Management System***.

It is characterised by, but not limited to, the following:

Service Definition

1. Uses ***two factor authentication***; something ***you have*** (security token) and something ***you know*** (password).

Service Definition

2. Operates within its own ***private data network***; with all data connections being ***encrypted***; and each project being segmented from other projects, to ***prevent cross-leak of data***.

Service Definition

3. Uses a ***Virtual Desktop Infrastructure*** to deploy and provide an environment which can accept remote connections from approved devices directly attached to the University of Edinburgh Data Network (EdLAN).

Service Definition

4. Utilises ***GateKeeper*** roles (trained individuals) to vet and approve ***all ingress and egress of data.***

Service Definition

5. Provides a ***secure data storage*** platform.

Service Definition

6. Provides a ***dynamic data analytics*** platform.


The Experience



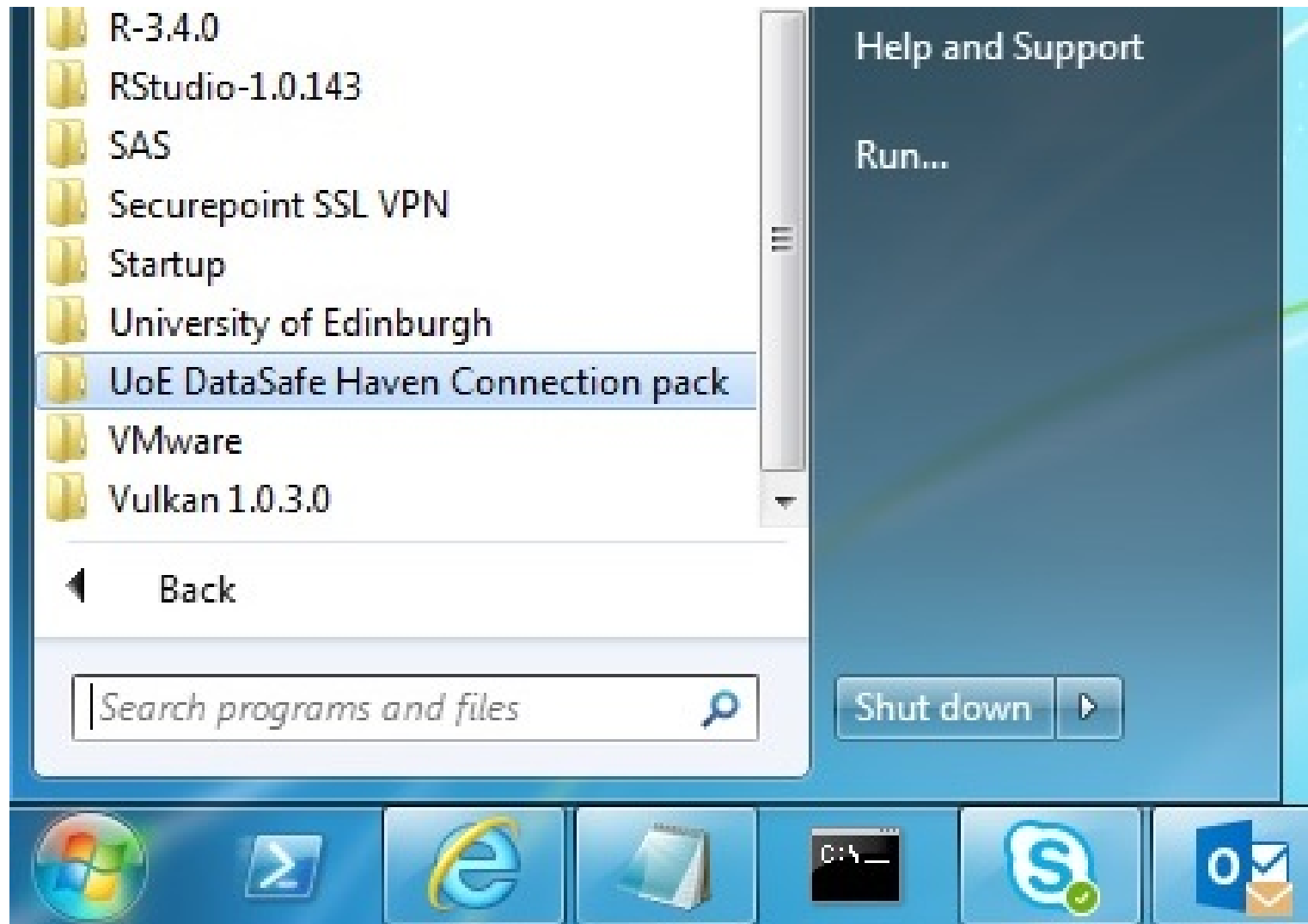
The Experience

The screenshot displays a web browser window with the URL `https://sccm6.ucs.ed.ac.uk/CMApplicationCatalog/#/!`. The page features a navigation bar with three tabs: "Application Catalog" (active), "My Application Requests", and "My Devices". On the left, a "BROWSE BY" sidebar lists categories like "All", "Audio players and editors", "Data Analysis software", and "Design-3D software". The main content area shows a search result for "UoE DataSafe Haven Connection Pack" under the heading "Search results for haven in System utilities: 1".

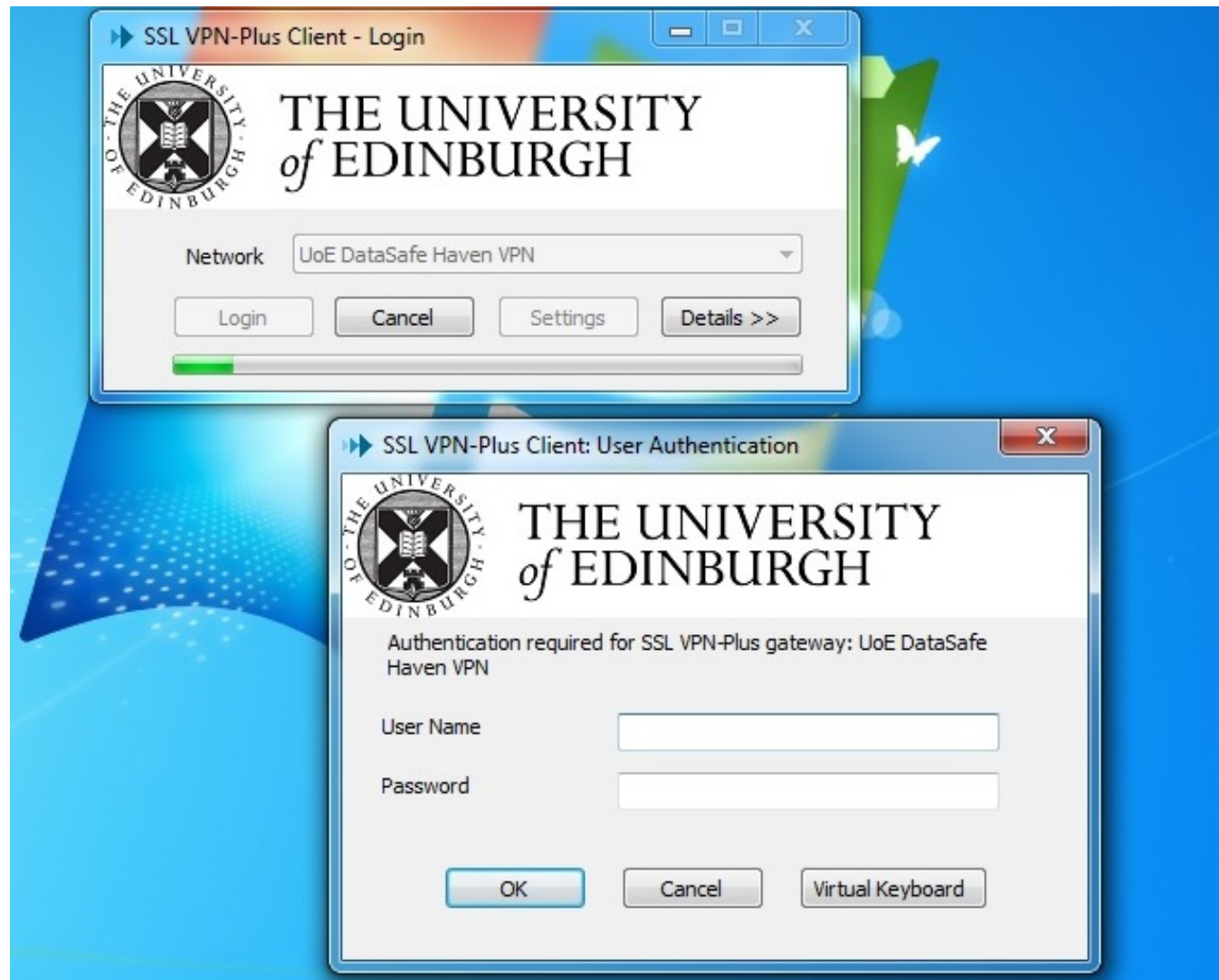
BROWSE BY	
Category	Publisher
All	
Audio players and editors	
Data Analysis software	
Design-3D software	

Search results for haven in System utilities: 1	
NAME	
	UoE DataSafe Haven Connection Pack

The Experience



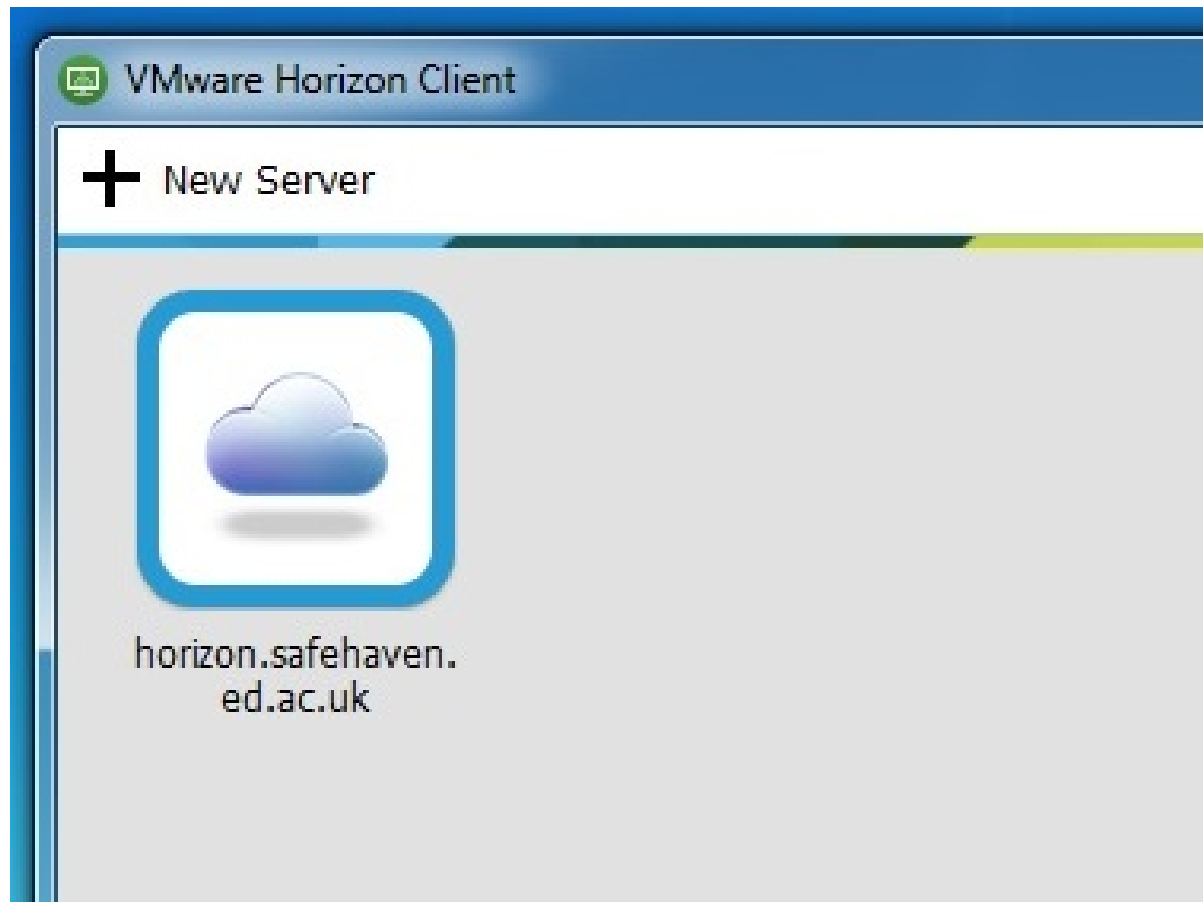
The Experience



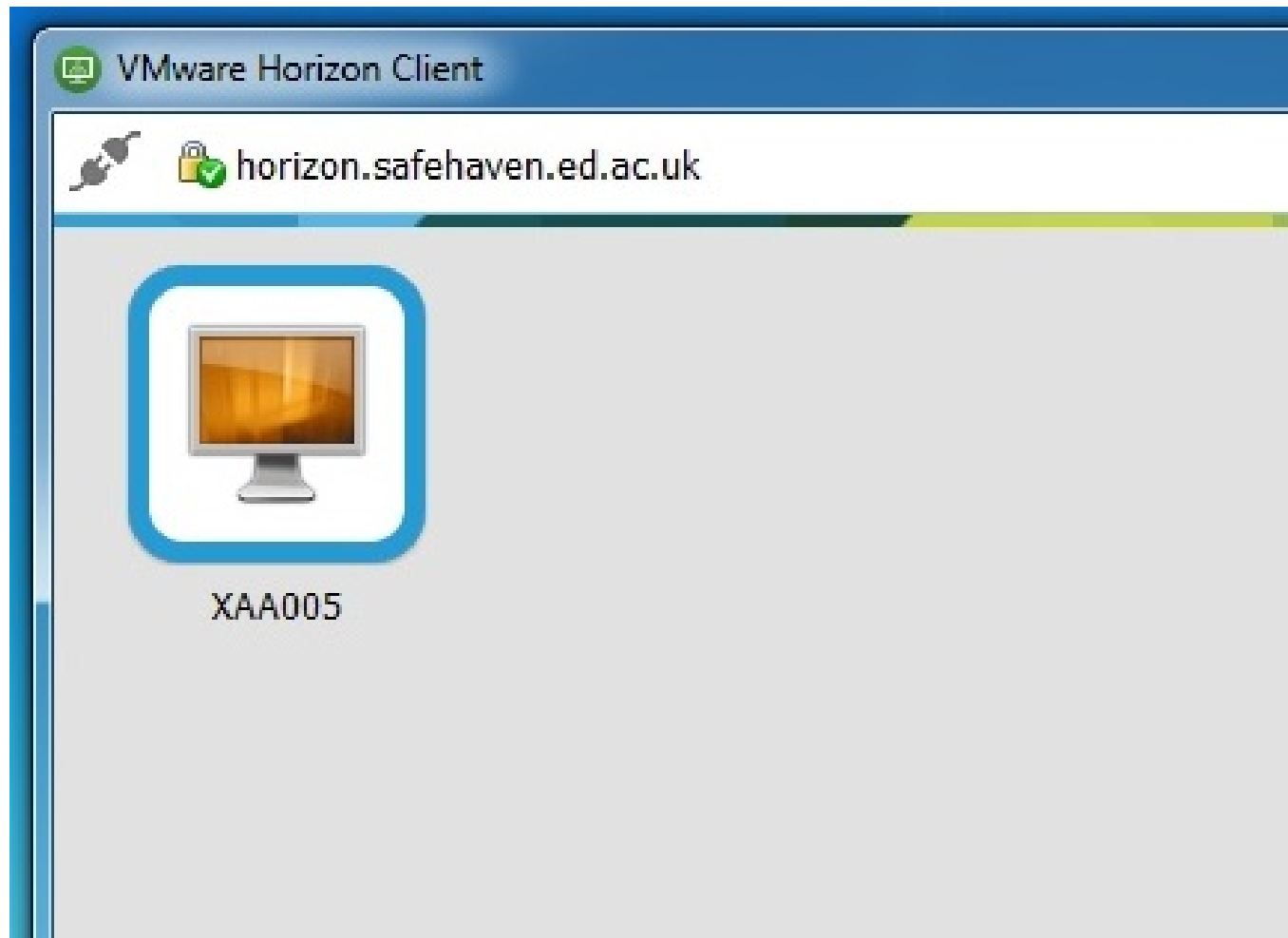
The Experience



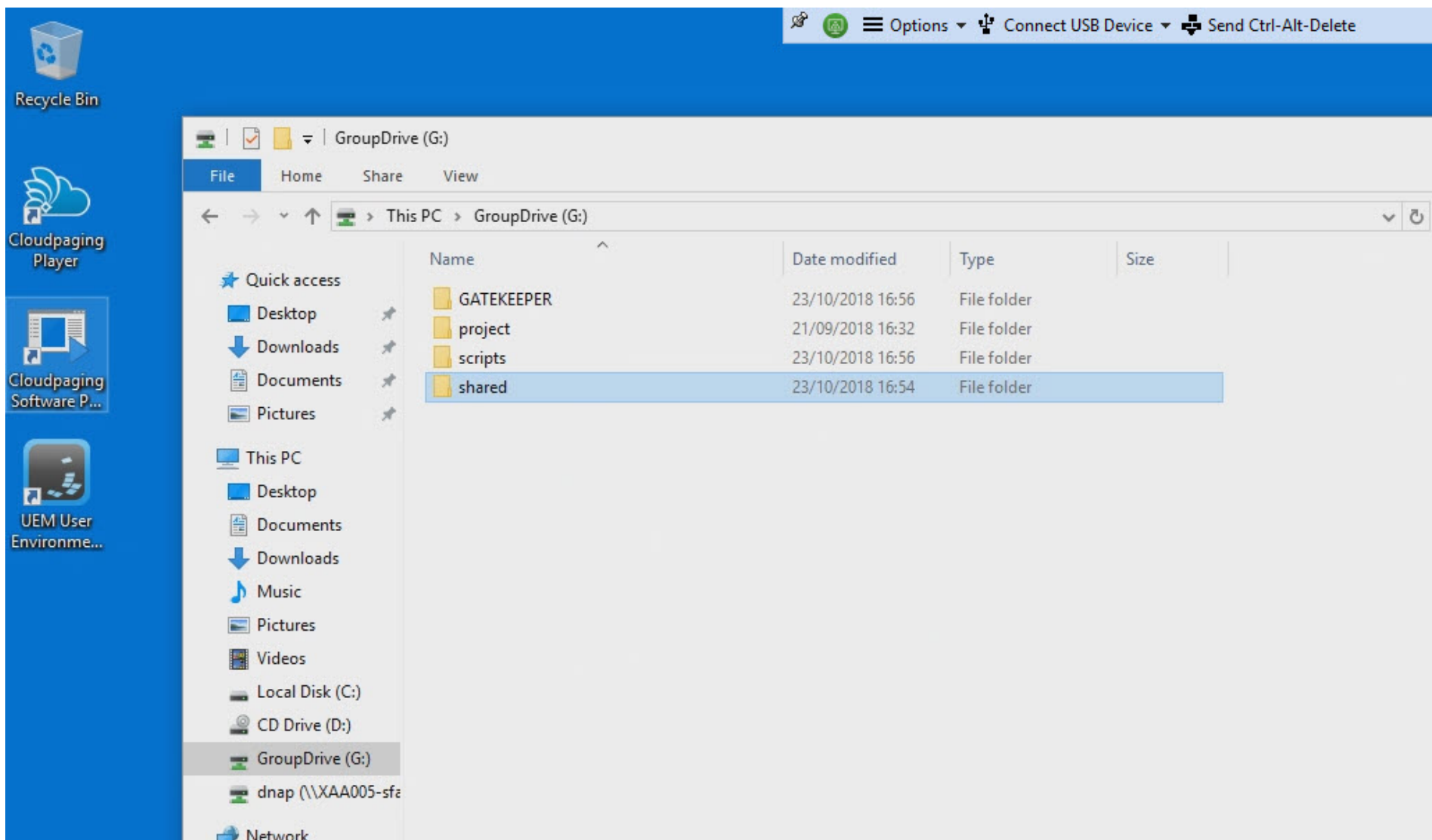
The Experience



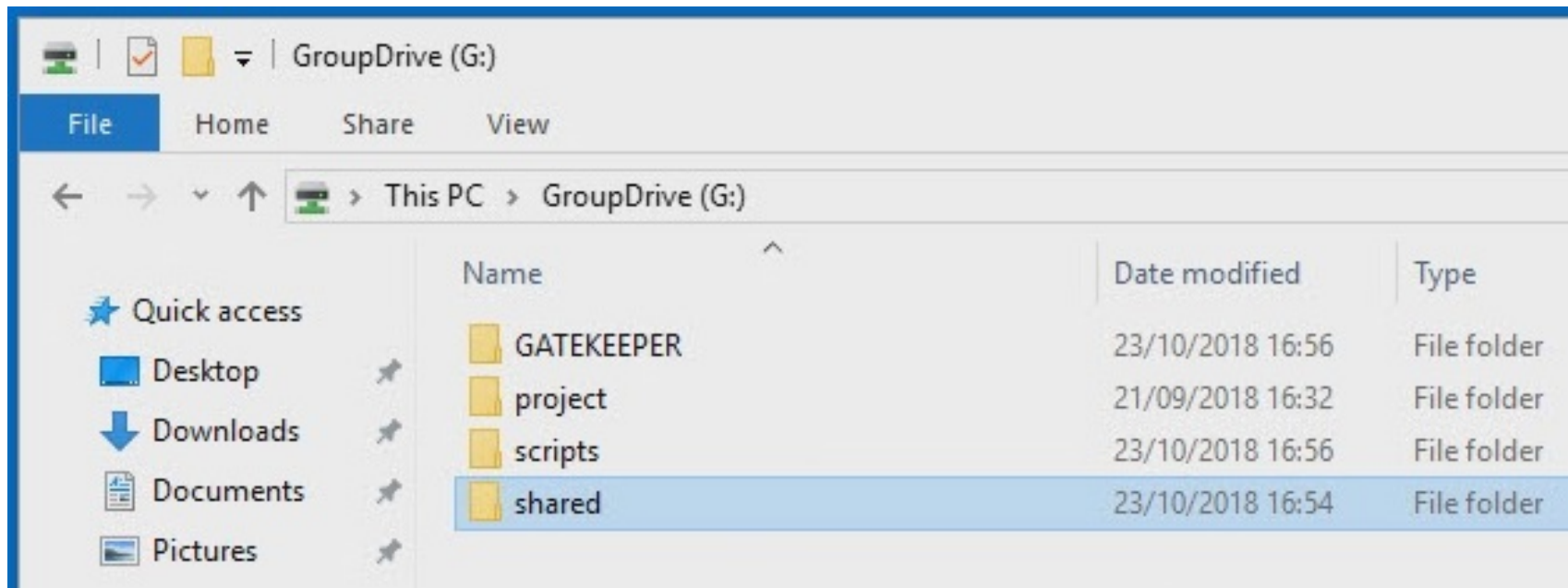
The Experience



The Experience



The Experience



The Experience



Microsoft_XML-Notepad_2.7.1.15_1C

XML Notepad 2007 provides a simple intuitive user interface for browsing and editing XML files.
Floating - Auto Run



Oracle_My-SQL-Workbench_6.3_1C

MySQL Workbench is a visual database design tool that integrates SQL development, server administration, and performance monitoring.
Floating - Auto Run



R-Stats_3.5.1_1C

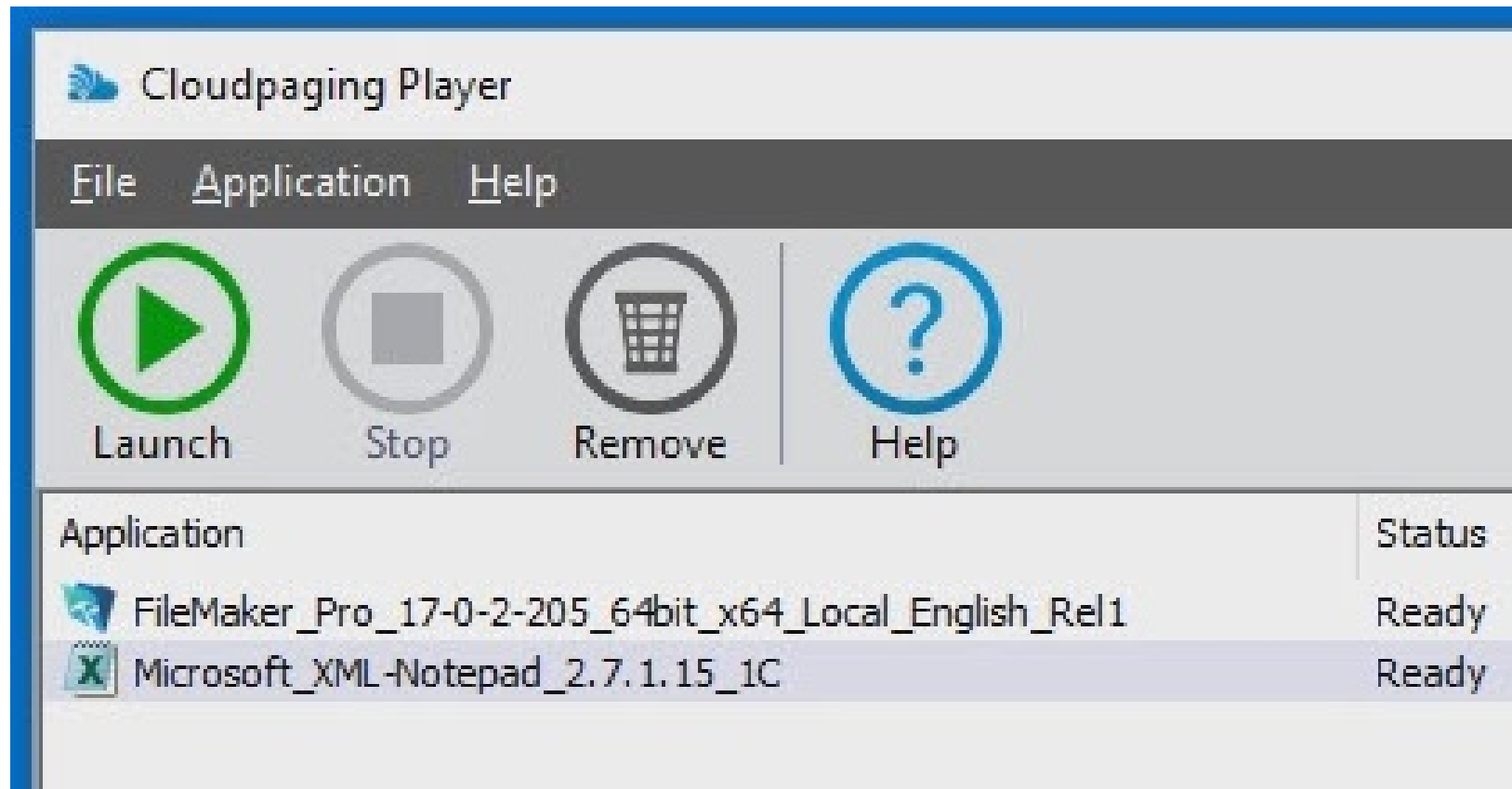
The R Project for Statistical Computing. Getting Started. R is a free software environment for statistical computing and graphics.
Floating - Auto Run



R-Studio_1.1.419_1C

RStudio is a free and open-source integrated development environment for R.
Floating - Auto Run

The Experience



Research Data Management

- RDM Website
<http://www.ed.ac.uk/information-services/research-support/research-data-service>
- Data Management Plans (DMP)
<https://dmponline.dcc.ac.uk/>
- MANTRA Training
<http://mantra.edina.ac.uk/>
- Information Security Essentials in 'LEARN'
<https://www.learn.ed.ac.uk>
Login to LEARN and search for the above phrase to self-enrole.
- GDPR Training in 'LEARN'
<https://www.learn.ed.ac.uk>
Login to LEARN and search for the above phrase to self-enrole.